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Author(s) Requestor: Steve Wiley

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Document will be distributed at meeting ☒ No ☐ Yes

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Document has been previously released ☒ No ☐ Yes (Reference) _____

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P. O. BOX Y, OAK RIDGE, TENNESSEE 37830

July 26, 1976

United States Energy Research and Development
Administration, Oak Ridge Operations
Post Office Box E
Oak Ridge, Tennessee 37830

Attention: Mr. H. D. Hickman, Director
Manufacturing Division

Gentlemen:

Historical Data

The attached data are provided in response to a request from ALO dated June 3, 1976, on Historical Data for fiscal years 1966 and 1976.

The data presented are based on the assumption that the information desired relates primarily to the Oak Ridge Y-12 Plant's weapons program activities. Consequently, an attempt has been made to exclude or prorate such functions and equipment as support of other UCC-ND plants. This basis of data compilation has required estimation of items such as floor space allocation and manpower. Therefore, the data presented are not directly traceable to similar data previously submitted using different basic assumptions.

The data are contained in the attached tabulation in the same format as the requesting letter. Answers to two of the questions are classified and are provided as a classified supplement.

If there are questions relative to the information, please call P. E. Wilkinson, Ext. 3-5003.

Very truly yours,

APPROVED FOR PUBLIC RELEASE

[Signature] 10/22/76
Technical Information Office Date

[Signature]
J. M. Case, Plant Manager
Oak Ridge Y-12 Plant

PEW:mld

Attachments (2): Historical Data (U)
Historical Data (Y/LA-784, SRD)

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United States Energy Research
and Development Administration

-2-

July 26, 1976

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HISTORICAL DATA

	FY66	FY76
A. <u>Buildings</u>		
1. Square Feet of Floor Space Categorized By Use		
a. Production*	2,394,000	2,701,000
b. Office	143,000	151,000
c. Analytical Laboratory	70,000	76,000
d. Standards and Calibration	71,000	86,000
e. Warehouses	353,000	432,000
f. Computer Operations		6,000
g. Research and Development**	186,000	226,000
h. Stores and General Support	578,000	671,000
2. Total Square Feet - Special Environment Control	1,233,000	1,700,000
3. Square Feet of Radioactive Area	775,000	1,200,000
B. <u>Utilities</u>		
1. Annual Power Usage (KWhr)	349 x 10 ⁶	399 x 10 ⁶
2. Annual Natural Gas Usage (BTU's)	223 x 10 ⁹	16 x 10 ⁹
3. Annual Coal Usage (Tons)	92,000	108,000
4. Annual Fuel Oil Usage (Gallons)	40,000	44,000
C. <u>Machines</u>		
1. Number of Machine Tools	435	469
2. Number of N/C Machines	39	158
3. Number of Ovens***	220	323
4. Number of Inspection Gages or Production Testers (>\$25,000)	78	228
D. <u>Computers</u>		
1. Dollar Investment in Computers	172,000	3.6 x 10 ⁶
2. Dedicated Computers	2	112
Non-dedicated Business	1	3
Non-dedicated Scientific	0	5

*542,000 in stand-by

**23,500 in stand-by

***All furnaces classed as "ovens"

July 26, 1976

	FY66	FY76
E. <u>Imposed Government Requirements****</u>		
1. OSHA	—	7 Men
2. EPA and State Environmental Control	—	2 Men
3. Safeguards	—	20 Men
4. Nuclear Material Management	—	9 Men
5. ERDA Miscellaneous Reporting	—	30 Men
F. <u>Manpower</u>		
1. ADP Man-Years	30	—
2. Maintenance Services Man-Years	830	787
3. Utilities Services Man-Years	86	109
4. Security Services Man-Years	60	84
5. Safety and EPA Man-Years	68	94
6. Exempt Employees Man-Years	826	856
7. Non-exempt Employees Man-Years	655	687
8. Hourly Man-Years	2,141	1,931
9. Nuclear Recycle and Recovery Man-Years	58	44
10. Direct Employees Man-Years	1,265	1,111
11. Indirect Employees Man-Years	2,357	2,363
12. Purchasing Man-Years	115	116
13. Nuclear Material Management Man-Years	10	19
14. Personnel Administration and Control Man-Years	15	23
15. Records Management Personnel	7	12
16. Medical Staff Man-Years (Part of 14 above)	19	24
17. Custodial Man-Years (Part of 2 above)	88	96
G. <u>Miscellaneous</u>		
1. Vehicle Fleet Size		
a. Automobiles and Trucks	350	364
b. Other Vehicles	277	374
2. Kg of SNM Handled - See Classified Supplement		
3. Grams of Tritium Handled - See Classified Supplement		
4. Guard Posts	17	30
5. Miles of Road	14.7	14.7

****Only the increase is shown

July 26, 1976

	FY66	FY76
G. <u>Miscellaneous</u> - continued		
6. Dollar Volume of Procurement	12.4 x 10 ⁶	20.6 x 10 ⁶
7. Number of Classified Documents	86,000	257,000
8. Yards of Security Fence	20,000	24,000
H. <u>Escalation</u>		
1. Average Salary and Wage Cost	8,022	14,645
2. Average Fringe Benefit Cost	1,085	3,670
3. Unit Price of Basic Commodities		
a. Steel Plate (\$/100wt.)	9.75	19.80
b. Sheet Steel		+120%
c. Aluminum Sheet (\$/lb.)	0.451	0.800
d. Plastic		+(25% - 55%)
e. Basic Chemicals		+125%
f. Hydrocarbon and Chlorinated Chemicals		+150%
g. Special Chemicals		+300%
4. Unit Cost of Energy Sources		
a. Coal (\$/ton)	5.244	24.028
b. Fuel Oil (\$/gallon)	0.115	0.2978
c. Electricity (\$/MWhr)	4.24	14.95
d. Natural Gas (\$/MCf)	0.368	1.043

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DOCUMENT NO. Y/LA-784

2-22-77 med
7-7-77 med
4-6-78 med
10-17-78 med
4-3-79 med
7-30-79 med
11-13-79 med
10-14-80
3-17-81
1-14-81

This Document consists of 1 pages
No. 12 of 13 copies, Series A
Date: July 26, 1976

HISTORICAL DATA (U)

Supplement

YLA 784 12 13A

YLA 784 12 13A

Data requested in Section G: Miscellaneous, Item 2. Kg of SNM Handled
Each Year and Item 3. Grams of Tritium Handled Each Year

	FY66	FY76
2. Kg of SNM Handled		
a. Receipts		
b. Shipments		
c. Average Inventory		
3. Grams of Tritium Handled Each Year*		
a. Receipts		
b. Shipments		
c. Average Inventory		

*Refers only to material passing through Y-12 Plant. No processing done by Y-12.

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